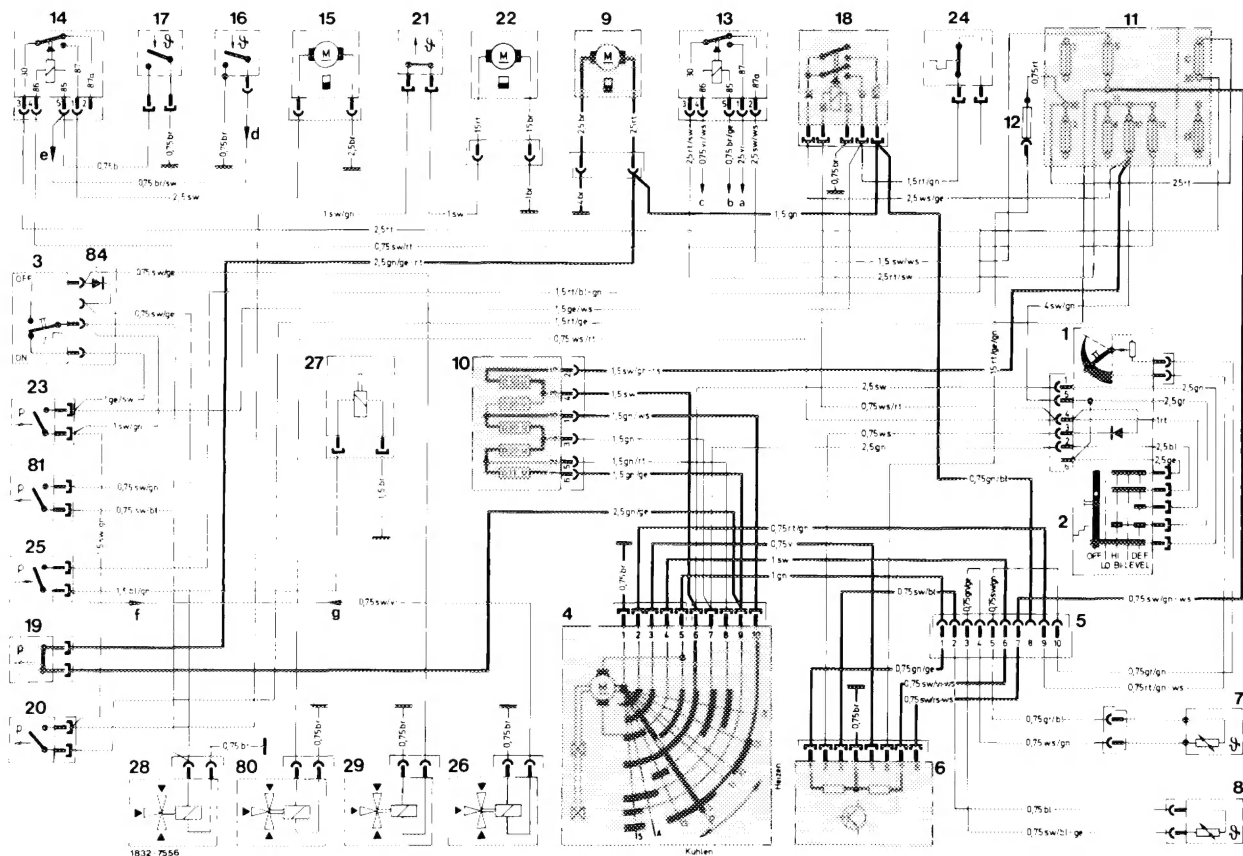


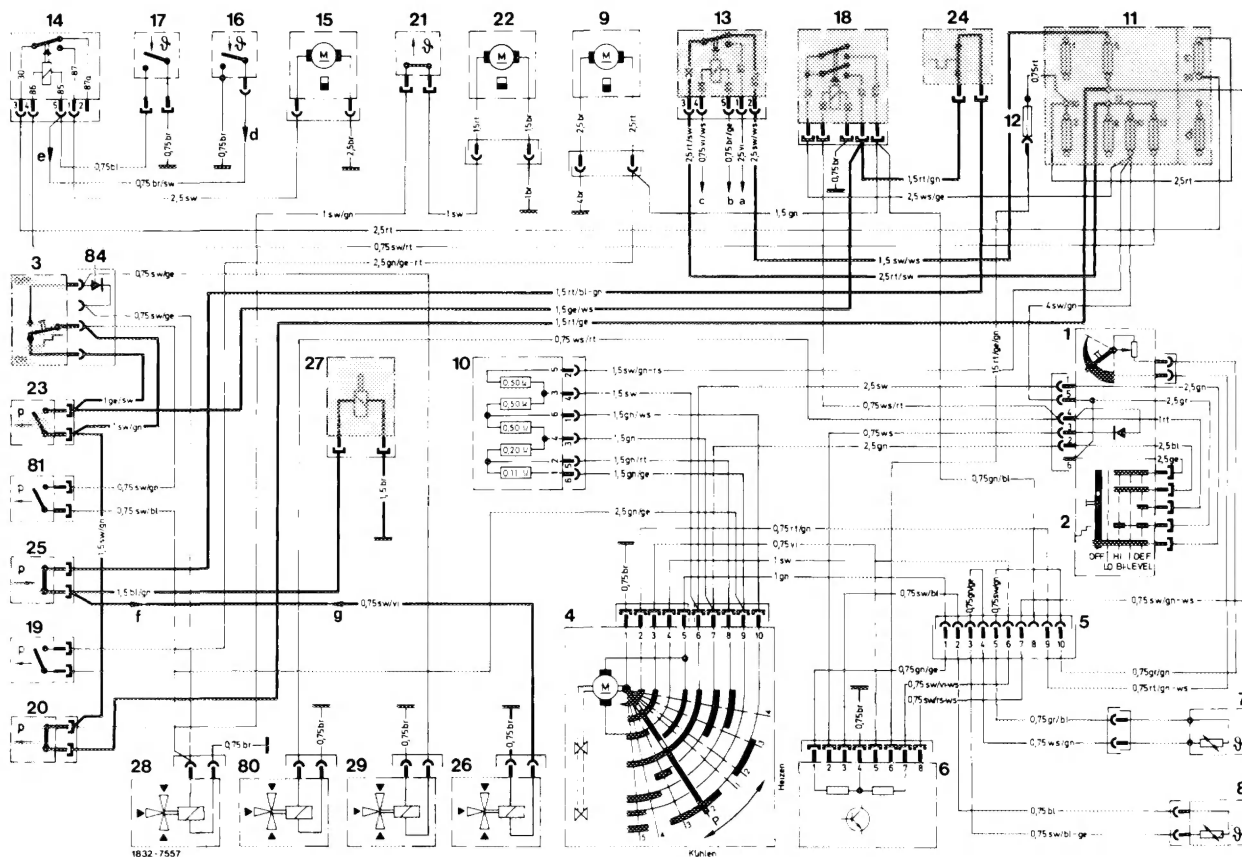
Blower control (regulating valve in position "P 2")



Wiring diagram 2

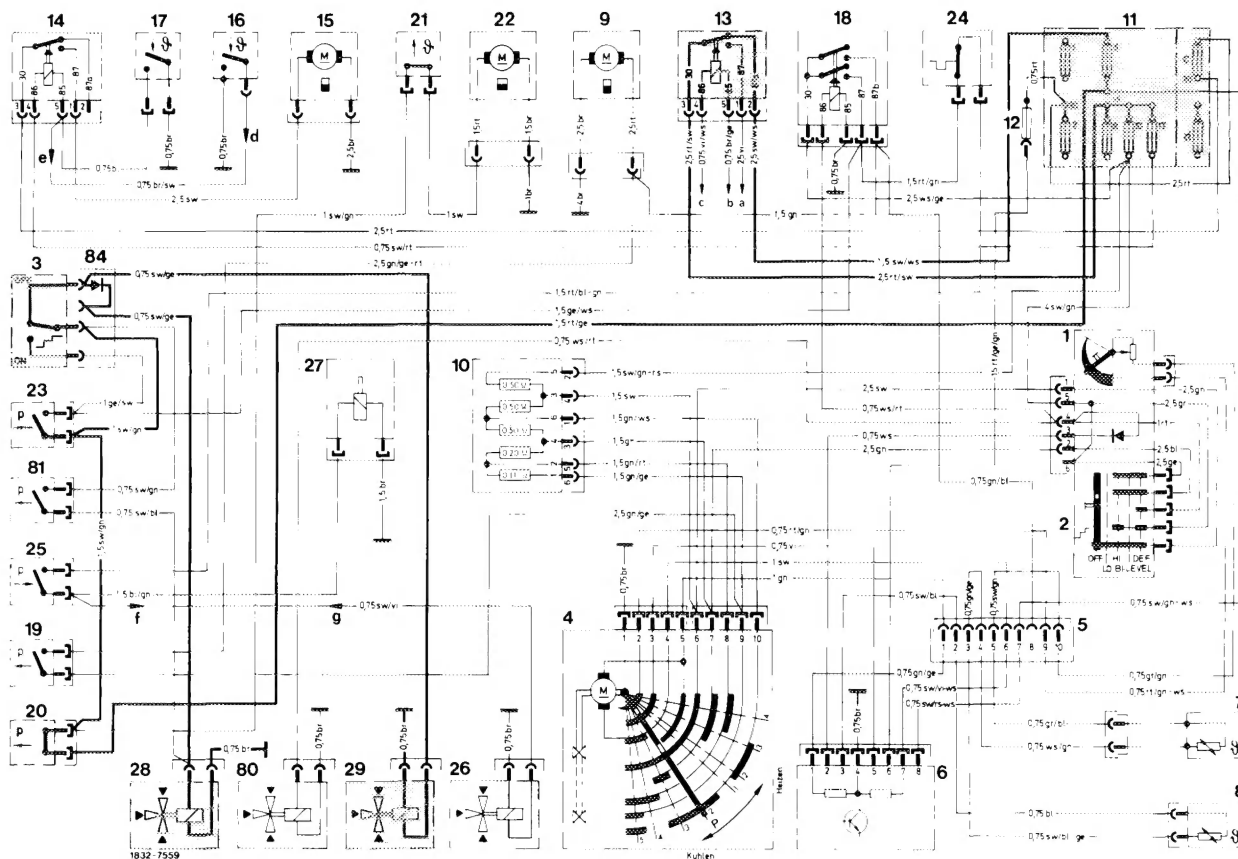
Blower control, position "park" and "AUTO-LO" (regulating valve in position "P 2")

- 1 Temperature dial
- 2 Pushbutton switch
- 3 "ON/OFF" switch refrigerant compressor
- 4 Regulating valve
- 5 10-point plug connection for tester
- 6 Amplifier
- 7 In-car temperature sensor
- 8 Ambient temperature sensor
- 9 Blower
- 10 Pre-resistance for blower
- 11 Main fuse box
 - Fuse 5 : 8 amps (standard fuse 86)
 - Fuse 10 : 16 amps
 - Fuse 12 : 8 amps
 - Fuse c : 16 amps
- 12 Additional fuse for amplifier (2 amps)
- 13 Relay air conditioning system
- 14 Relay auxiliary fan
- 15 Auxiliary fan
- 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
- 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
- 18 Double contact relay
- 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
- 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
- 21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
- 22 Heating water pump
- 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 24 ETR-switch 2 °C (36 °F)
- 25 Pressure switch refrigerant compressor ON 2.6 bar gauge pressure (2.6 atu) OFF 2.0 bar gauge pressure (2.0 atu)
- 26 Solenoid valve for constant speed (engine 110.984 only)
- 27 Electromagnetic clutch for refrigerant compressor
- 28 Solenoid valve for vacuum element of legroom flaps
- 29 Solenoid valve for vacuum element of fresh air-recirculated air flap
- 30 Solenoid valve "BI-LEVEL" (at "DEF")
- 31 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 84 Diode
 - a Cable connector starter terminal 50
 - b Starter lockout and back-up lamp switch
 - c Ignition starter switch terminal 50
 - d Via relay ignition switchover terminal 85 } engine
 - e Via relay decoupling terminal 30 } 110.984 only
 - f Via relay ignition switchover terminal 87a } (countries with
 - g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 2
Refrigerant compressor control

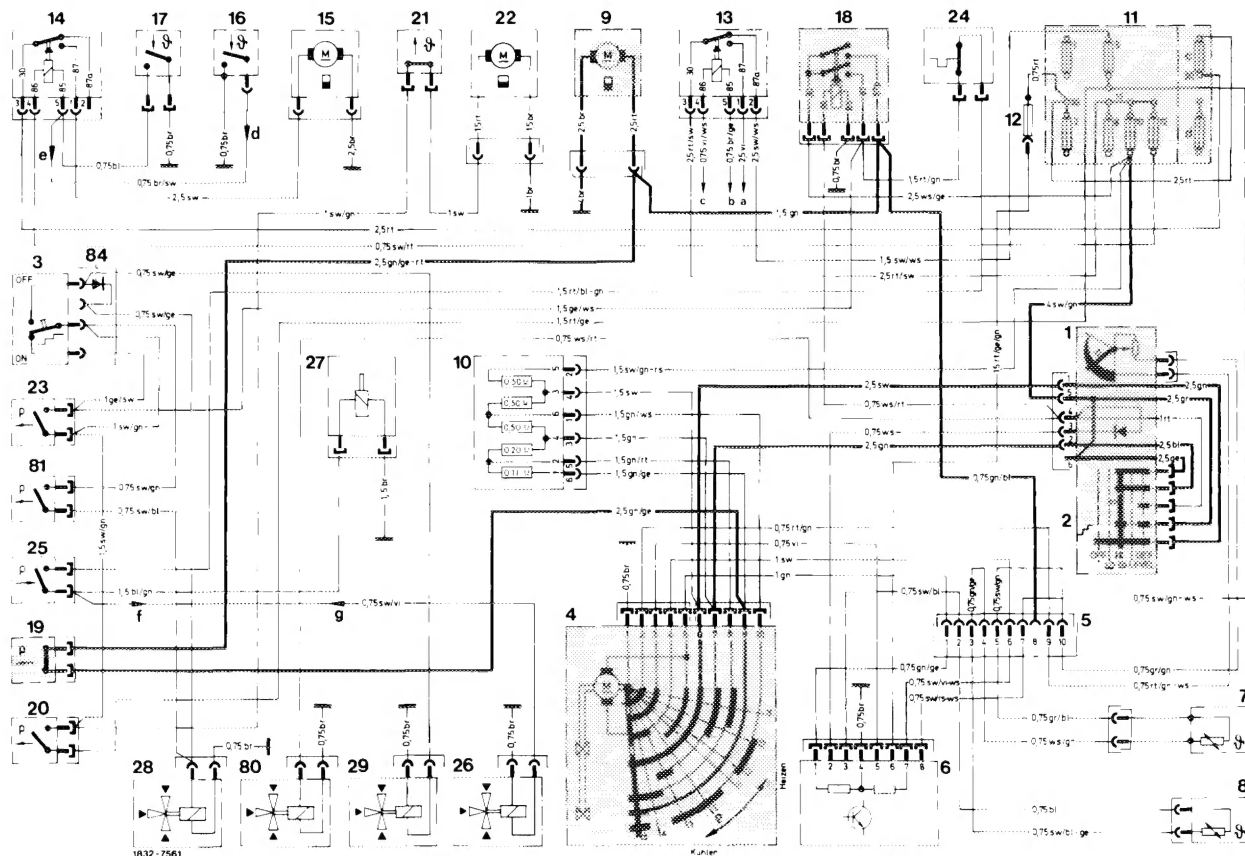
- 1 Temperature dial
- 2 Pushbutton switch
- 3 "ON/OFF" switch refrigerant compressor
- 4 Regulating valve
- 5 10-point plug connection for tester
- 6 Amplifier
- 7 In-car temperature sensor
- 8 Ambient temperature sensor
- 9 Blower
- 10 Pre-resistance for blower
- 11 Main fuse box
 - Fuse 5 : 8 amps (standard fuse 86)
 - Fuse 10 : 16 amps
 - Fuse 12 : 8 amps
 - Fuse c : 16 amps
- 12 Additional fuse for amplifier (2 amps)
- 13 Relay air conditioning system
- 14 Relay auxiliary fan
- 15 Auxiliary fan
- 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
- 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
- 18 Double contact relay
- 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
- 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
- 21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
- 22 Heating water pump
- 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 24 ETR-switch 2 °C (36 °F)
- 25 Pressure switch refrigerant compressor ON 2.6 bar gauge pressure (2.6 atu) OFF 2.0 bar gauge pressure (2.0 atu)
- 26 Switchover valve for constant speed (engine 110.984 only)
- 27 Electromagnetic clutch for refrigerant compressor
- 28 Switchover valve for vacuum element of legroom flaps
- 29 Switchover valve for vacuum element of fresh air-recirculated air flap
- 80 Switchover valve "BI-LEVEL" (at "DEF")
- 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 84 Diode
 - a Cable connector starter terminal 50
 - b Starter lockout and back-up lamp switch
 - c Ignition starter switch terminal 50
 - d Via relay ignition switchover terminal 85 } engine
 - e Via relay decoupling terminal 30 } 110.984 only
 - f Via relay ignition switchover terminal 87a } (countries with
 - g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 4

Control for switchover valves 28 and 29 (switch 3 for refrigerant compressor at "OFF")

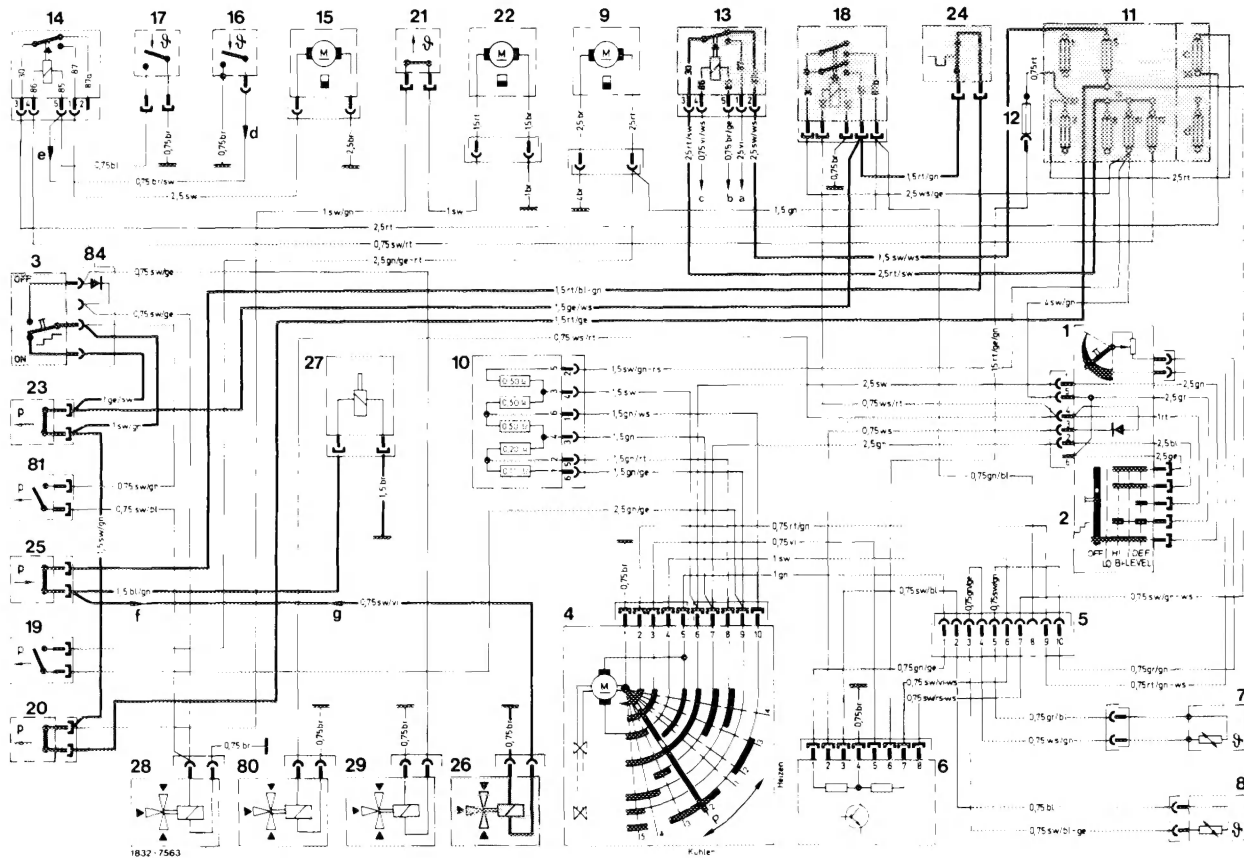
- | | |
|---|---|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 3 "ON/OFF" switch refrigerant compressor | 22 Heating water pump |
| 4 Regulating valve | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester | 24 ETR-switch 2 °C (36 °F) |
| 6 Amplifier | 25 Pressure switch refrigerant compressor ON 2.6 bar gauge pressure (2.6 atu) OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor | 26 Switchover valve for constant speed (engine 110.984 only) |
| 8 Ambient temperature sensor | 27 Electromagnetic clutch for refrigerant compressor |
| 9 Blower | 28 Switchover valve for vacuum element of legroom flaps |
| 10 Pre-resistance for blower | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| 11 Main fuse box | 30 Switchover valve "BI-LEVEL" (at "DEF") |
| Fuse 5 : 8 amps (standard fuse 86) | 31 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| Fuse 10 : 16 amps | 32 Diode |
| Fuse 12 : 8 amps | a Cable connector starter terminal 50 |
| Fuse c : 16 amps | b Starter lockout and back-up lamp switch |
| 12 Additional fuse for amplifier (2 amps) | c Ignition starter switch terminal 50 |
| 13 Relay air conditioning system | d Via relay ignition switchover terminal 85 |
| 14 Relay auxiliary fan | e Via relay decoupling terminal 30 |
| 15 Auxiliary fan | f Via relay ignition switchover terminal 87a |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | g Via relay ignition switchover terminal 30 |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | |
| 18 Double contact relay | |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | |



Wiring diagram 6

Blower control, stage 3 "HI" (regulating valve in position 5)

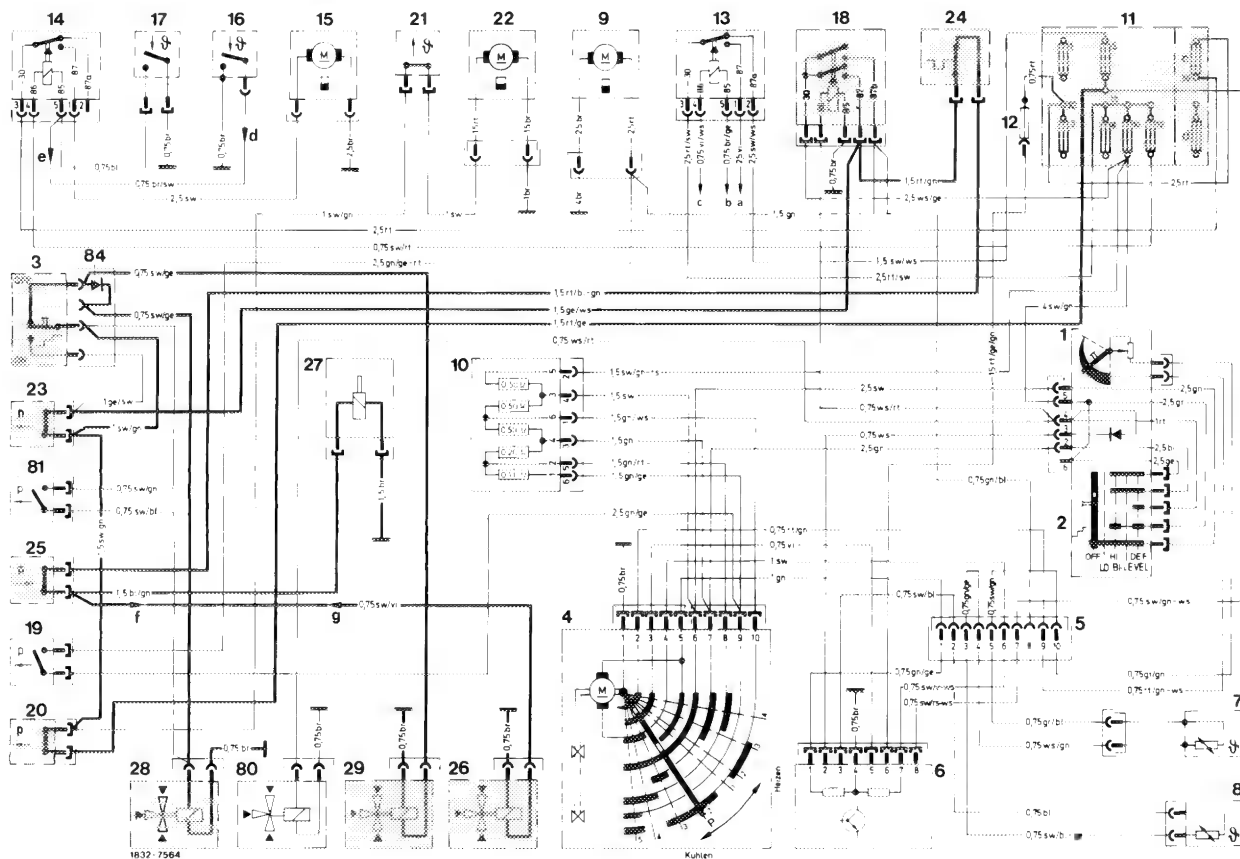
- | | |
|---|---|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22) |
| 3 "ON/OFF" switch refrigerant compressor | 16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 4 Regulating valve | 22 Heating water pump |
| 5 10-point plug connection for tester | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier | 24 ETR-switch 2 °C (36 °F) |
| 7 In-car temperature sensor | 25 Pressure switch refrigerant compressor |
| 8 Ambient temperature sensor | ON 2.6 bar gauge pressure (2.6 atu) |
| 9 Blower | OFF 2.0 bar gauge pressure (2.0 atu) |
| 10 Pre-resistance for blower | 26 Switchover valve for constant speed (engine 110.984 only) |
| 11 Main fuse box | 27 Electromagnetic clutch for refrigerant compressor |
| Fuse 5 : 8 amps (standard fuse 86) | 28 Switchover valve for vacuum element of legroom flaps |
| Fuse 10 : 16 amps | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| Fuse 12 : 8 amps | 80 Switchover valve "BI-LEVEL" (at "DEF") |
| Fuse c : 16 amps | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 12 Additional fuse for amplifier (2 amps) | 84 Diode |
| 13 Relay air conditioning system | a Cable connector starter terminal 50 |
| 14 Relay auxiliary fan | b Starter lockout and back-up lamp switch |
| 15 Auxiliary fan | c Ignition starter switch terminal 50 |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | d Via relay ignition switchover terminal 85 } engine |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | e Via relay decoupling terminal 30 } 110.984 only |
| 18 Double contact relay | f Via relay ignition switchover terminal 87a } (countries with |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30 } emission control) |



Wiring diagram 8

Refrigerant compressor control at "BI-LEVEL" (switch 3 for refrigerant compressor at "ON")

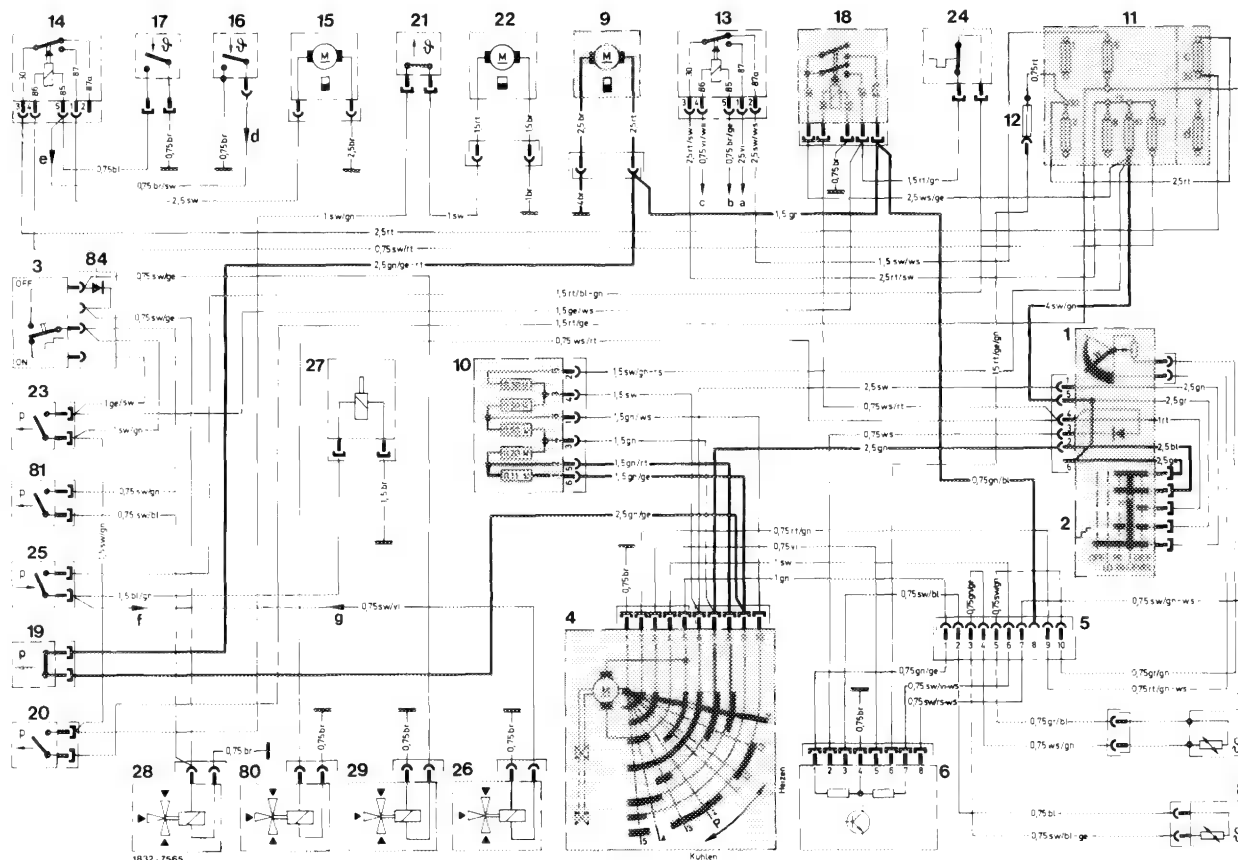
- | | |
|---|---|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22) |
| 3 "ON/OFF" switch refrigerant compressor | 16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 4 Regulating valve | 22 Heating water pump |
| 5 10-point plug connection for tester | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier | 24 ETR-switch 2 °C (36 °F) |
| 7 In-car temperature sensor | 25 Pressure switch refrigerant compressor |
| 8 Ambient temperature sensor | ON 2.6 bar gauge pressure (2.6 atu) |
| 9 Blower | OFF 2.0 bar gauge pressure (2.0 atu) |
| 10 Pre-resistance for blower | 26 Switchover valve for constant speed (engine 110.984 only) |
| 11 Main fuse box | 27 Electromagnetic clutch for refrigerant compressor |
| Fuse 5 : 8 amps (standard fuse 86) | 28 Switchover valve for vacuum element of legroom flaps |
| Fuse 10 : 16 amps | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| Fuse 12 : 8 amps | 80 Switchover valve "BI-LEVEL" (at "DEF") |
| Fuse c : 16 amps | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 12 Additional fuse for amplifier (2 amps) | 84 Diode |
| 13 Relay air conditioning system | a Cable connector starter terminal 50 |
| 14 Relay auxiliary fan | b Starter lockout and back-up lamp switch |
| 15 Auxiliary fan | c Ignition starter switch terminal 50 |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | d Via relay ignition switchover terminal 85 |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | e Via relay decoupling terminal 30 |
| 18 Double contact relay | f Via relay ignition switchover terminal 87a |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30 |
| | engine 110.984 only (countries with emission control) |



Wiring diagram 8 a

Refrigerant compressor control at "BI-LEVEL" (switch 3 for refrigerant compressor at "OFF")

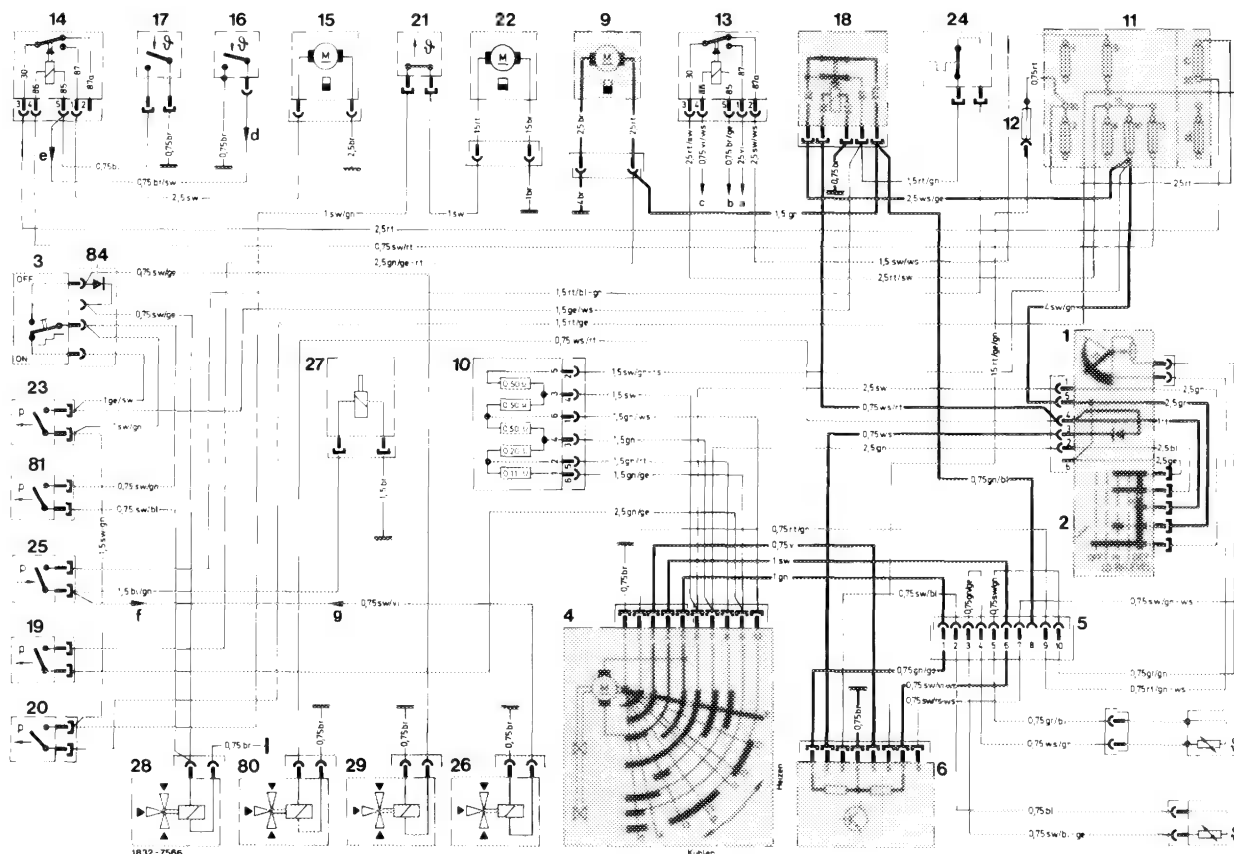
- | | |
|---|--|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22)
16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 3 "ON/OFF" switch refrigerant compressor | 22 Heating water pump |
| 4 Regulating valve | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester | 24 ETR-switch 2 °C (36 °F) |
| 6 Amplifier | 25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atu)
OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor | 26 Solenoid valve for constant speed (engine 110.984 only) |
| 8 Ambient temperature sensor | 27 Electromagnetic clutch for refrigerant compressor |
| 9 Blower | 28 Solenoid valve for vacuum element of legroom flaps |
| 10 Pre-resistance for blower | 29 Solenoid valve for vacuum element of fresh air-recirculated air flap |
| 11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps | 80 Solenoid valve "BI-LEVEL" (at "DEF") |
| 12 Additional fuse for amplifier (2 amps) | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 13 Relay air conditioning system | 84 Diode |
| 14 Relay auxiliary fan | a Cable connector starter terminal 50 |
| 15 Auxiliary fan | b Starter lockout and back-up lamp switch |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | c Ignition starter switch terminal 50 |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | d Via relay ignition switchover terminal 85 |
| 18 Double contact relay | e Via relay decoupling terminal 30 |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | f Via relay ignition switchover terminal 87a |
| | g Via relay ignition switchover terminal 30 |
- engine 110.984 only (countries with emission control)



Wiring diagram 9

Blower control, stage 2 "BI-LEVEL" (heat), (regulating valve in position 4)

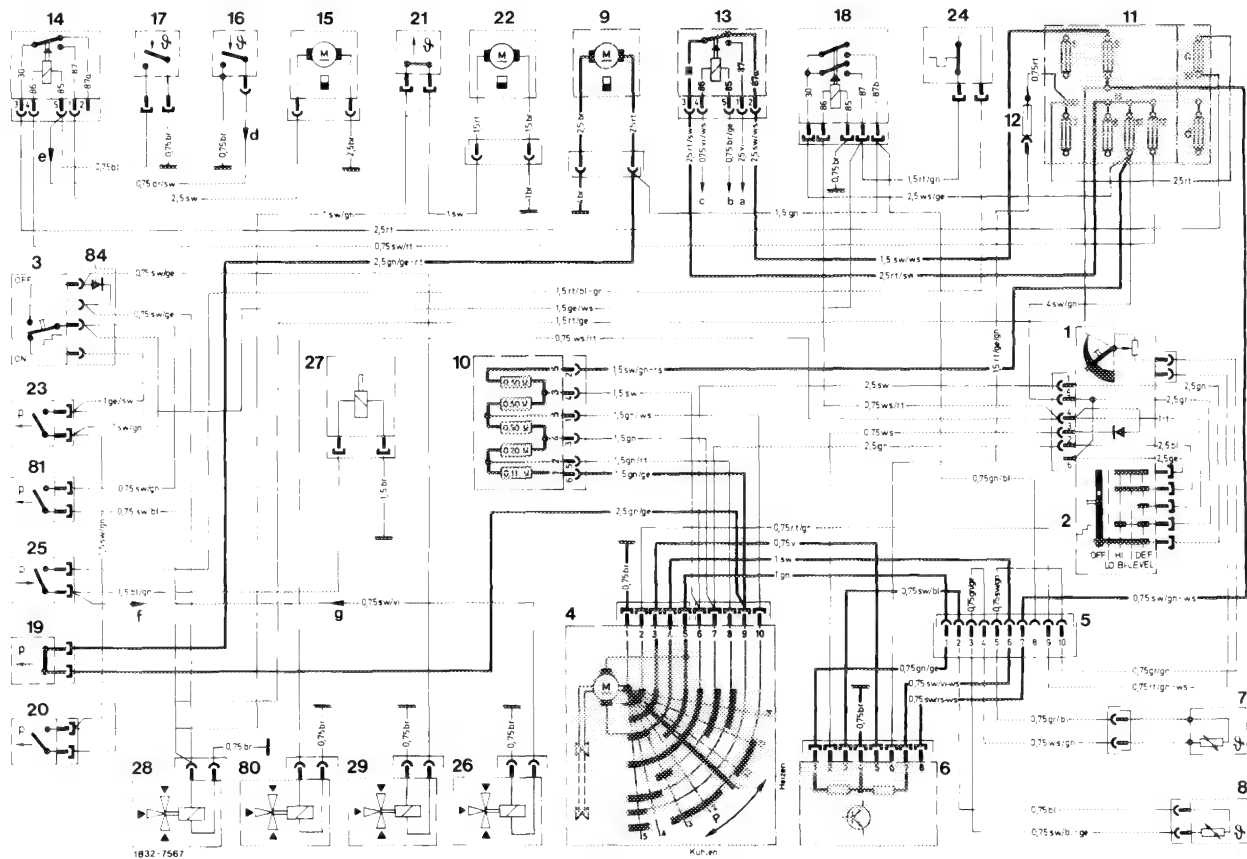
- | | |
|---|---|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22) |
| 3 "ON/OFF" switch refrigerant compressor | 16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 4 Regulating valve | 22 Heating water pump |
| 5 10-point plug connection for tester | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier | 24 ETR-switch 2 °C (36 °F) |
| 7 In-car temperature sensor | 25 Pressure switch refrigerant compressor |
| 8 Ambient temperature sensor | ON 2.6 bar gauge pressure (2.6 atu) |
| 9 Blower | OFF 2.0 bar gauge pressure (2.0 atu) |
| 10 Pre-resistance for blower | 26 Switchover valve for constant speed (engine 110.984 only) |
| 11 Main fuse box | 27 Electromagnetic clutch for refrigerant compressor |
| Fuse 5 : 8 amps (standard fuse 86) | 28 Switchover valve for vacuum element of legroom flaps |
| Fuse 10 : 16 amps | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| Fuse 12 : 8 amps | 80 Switchover valve "BI-LEVEL" (at "DEF") |
| Fuse c : 16 amps | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 12 Additional fuse for amplifier (2 amps) | 84 Diode |
| 13 Relay air conditioning system | a Cable connector starter terminal 50 |
| 14 Relay auxiliary fan | b Starter lockout and back-up lamp switch |
| 15 Auxiliary fan | c Ignition starter switch terminal 50 |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | d Via relay ignition switchover terminal 85 |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | e Via relay decoupling terminal 30 |
| 18 Double contact relay | f Via relay ignition switchover terminal 87a |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30 |
| | engine 110.984 only (countries with emission control) |



Wiring diagram 10

Blower control, stage 4 "DEF" (regulating valve in position 4)

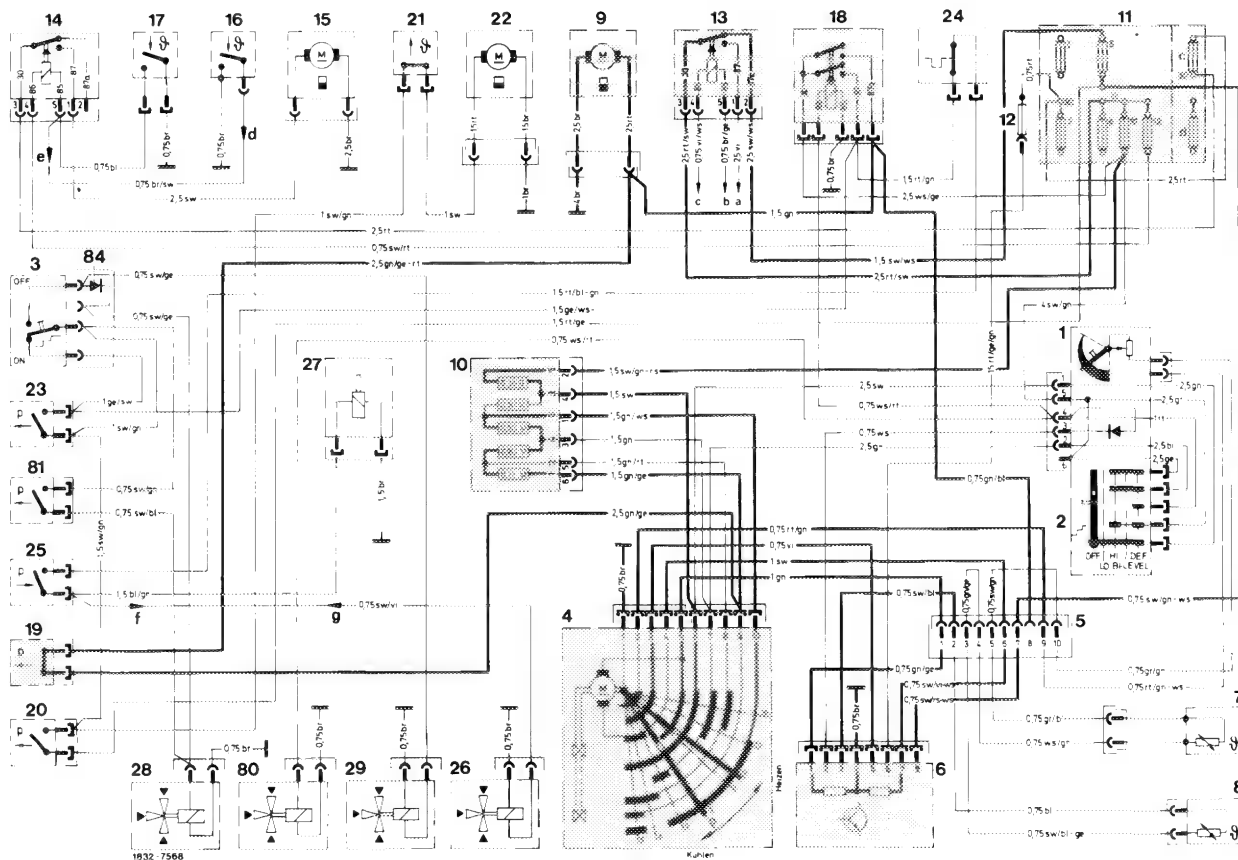
- 1 Temperature dial
- 2 Pushbutton switch
- 3 "ON/OFF" switch refrigerant compressor
- 4 Regulating valve
- 5 10-point plug connection for tester
- 6 Amplifier
- 7 In-car temperature sensor
- 8 Ambient temperature sensor
- 9 Blower
- 10 Pre-resistance for blower
- 11 Main fuse box
 - Fuse 5 : 8 amps (standard fuse 86)
 - Fuse 10 : 16 amps
 - Fuse 12 : 8 amps
 - Fuse c : 16 amps
- 12 Additional fuse for amplifier (2 amps)
- 13 Relay air conditioning system
- 14 Relay auxiliary fan
- 15 Auxiliary fan
- 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
- 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
- 18 Double contact relay
- 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
- 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
- 21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
- 22 Heating water pump
- 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 24 ETR-switch 2 °C (36 °F)
- 25 Pressure switch refrigerant compressor ON 2.6 bar gauge pressure (2.6 atu) OFF 2.0 bar gauge pressure (2.0 atu)
- 26 Switchover valve for constant speed (engine 110.984 only)
- 27 Electromagnetic clutch for refrigerant compressor
- 28 Switchover valve for vacuum element of legroom flaps
- 29 Switchover valve for vacuum element of fresh air-recirculated air flap
- 80 Switchover valve "BI-LEVEL" (at "DEF")
- 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 84 Diode
 - a Cable connector starter terminal 50
 - b Starter lockout and back-up lamp switch
 - c Ignition starter switch terminal 50
 - d Via relay ignition switchover terminal 85
 - e Via relay decoupling terminal 30
 - f Via relay ignition switchover terminal 87a
 - g Via relay ignition switchover terminal 30



Wiring diagram 11

Blower control, stage 1 "LO" (regulating valve in position 1)

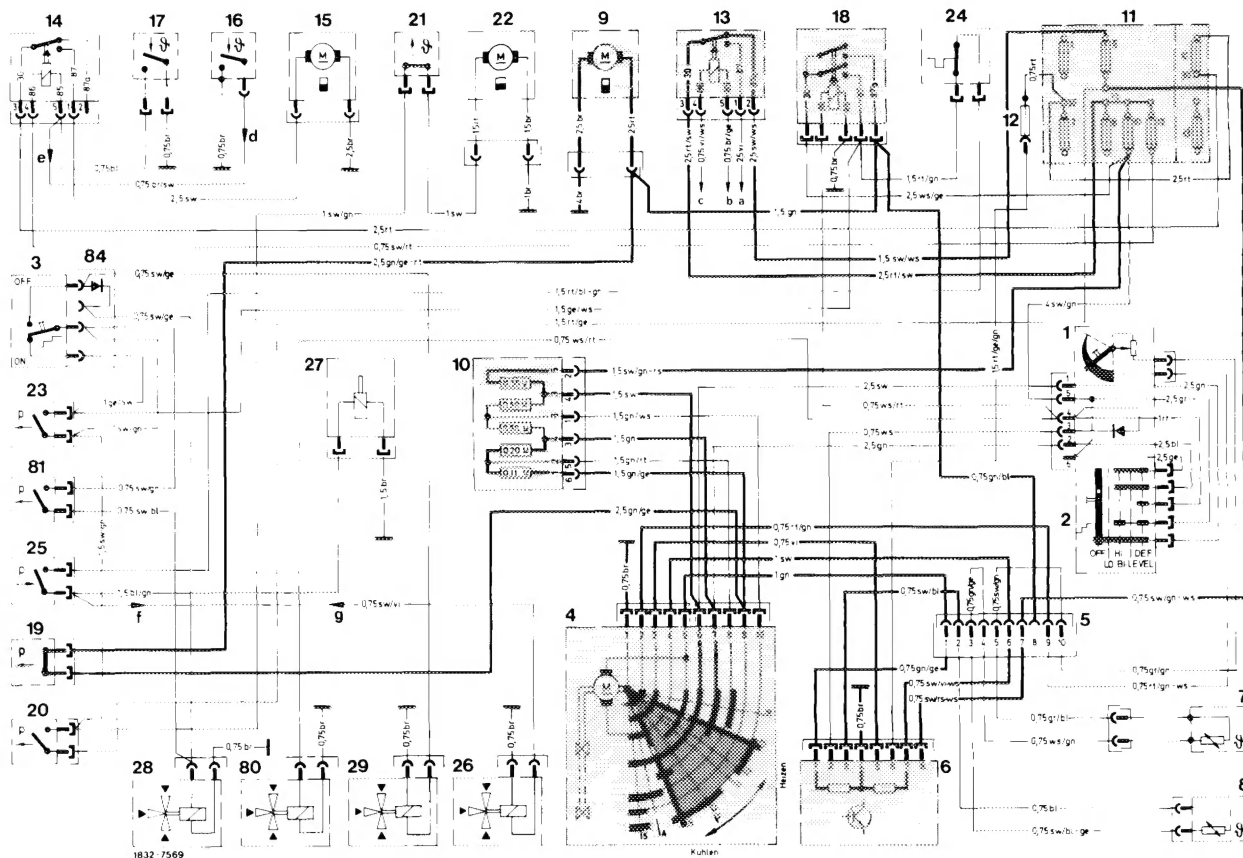
- | | |
|---|---|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22) |
| 3 "ON/OFF" switch refrigerant compressor | 16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 4 Regulating valve | 22 Heating water pump |
| 5 10-point plug connection for tester | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 6 Amplifier | 24 ETR-switch 2 °C (36 °F) |
| 7 In-car temperature sensor | 25 Pressure switch refrigerant compressor |
| 8 Ambient temperature sensor | ON 2.6 bar gauge pressure (2.6 atu) |
| 9 Blower | OFF 2.0 bar gauge pressure (2.0 atu) |
| 10 Pre-resistance for blower | 26 Switchover valve for constant speed (engine 110.984 only) |
| 11 Main fuse box | 27 Electromagnetic clutch for refrigerant compressor |
| Fuse 5 : 8 amps (standard fuse 86) | 28 Switchover valve for vacuum element of legroom flaps |
| Fuse 10 : 16 amps | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| Fuse 12 : 8 amps | 80 Switchover valve "BI-LEVEL" (at "DEF") |
| Fuse c : 16 amps | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 12 Additional fuse for amplifier (2 amps) | 84 Diode |
| 13 Relay air conditioning system | a Cable connector starter terminal 50 |
| 14 Relay auxiliary fan | b Starter lockout and back-up lamp switch |
| 15 Auxiliary fan | c Ignition starter switch terminal 50 |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | d Via relay ignition switchover terminal 85 |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | e Via relay decoupling terminal 30 |
| 18 Double contact relay | f Via relay ignition switchover terminal 87a |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | g Via relay ignition switchover terminal 30 |
| | engine 110.984 only (countries with emission control) |



Wiring diagram 12

Blower control, stage 2 "LO" (regulating valve in position 2)

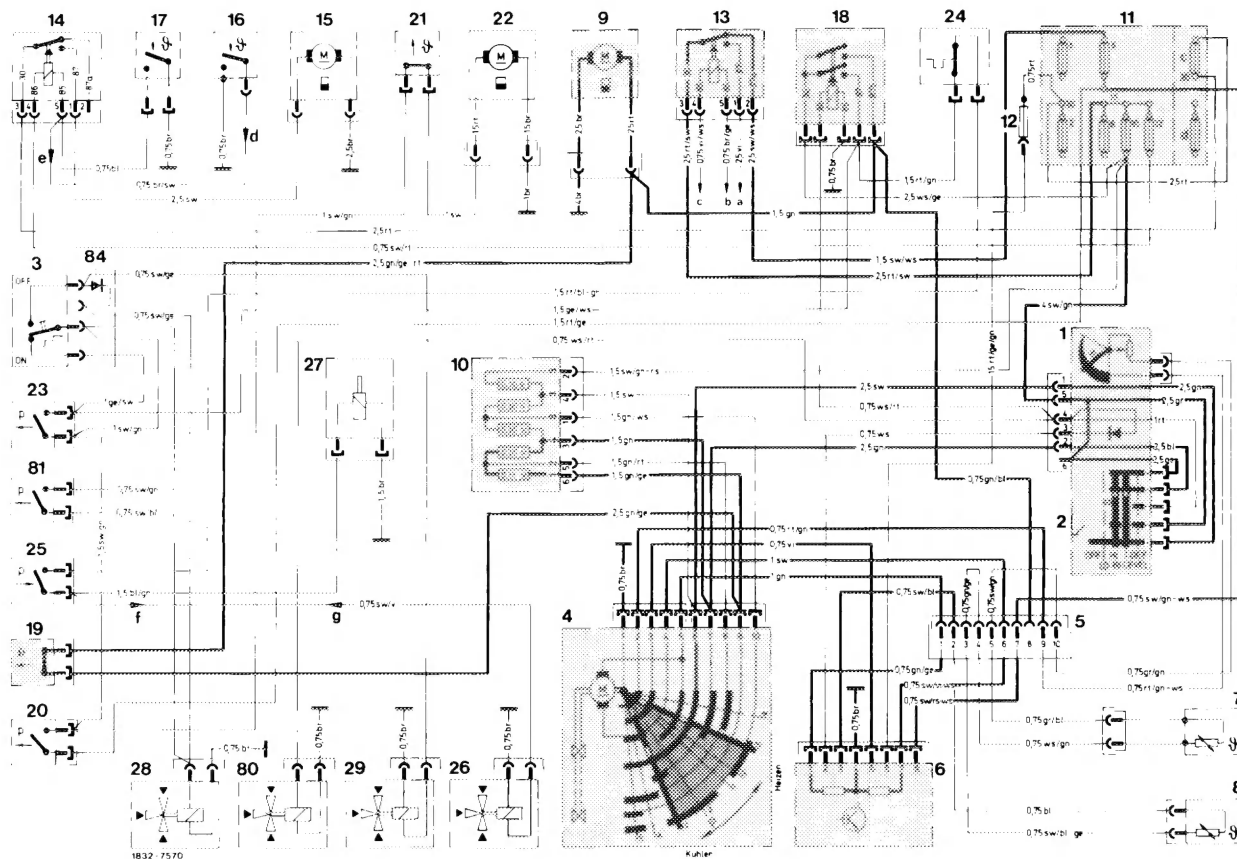
- 1 Temperature dial
- 2 Pushbutton switch
- 3 "ON/OFF" switch refrigerant compressor
- 4 Regulating valve
- 5 10-point plug connection for tester
- 6 Amplifier
- 7 In-car temperature sensor
- 8 Ambient temperature sensor
- 9 Blower
- 10 Pre-resistance for blower
- 11 Main fuse box
 - Fuse 5 : 8 amps (standard fuse 86)
 - Fuse 10 : 16 amps
 - Fuse 12 : 8 amps
 - Fuse c : 16 amps
- 12 Additional fuse for amplifier (2 amps)
- 13 Relay air conditioning system
- 14 Relay auxiliary fan
- 15 Auxiliary fan
- 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
- 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
- 18 Double contact relay
- 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
- 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
- 21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
- 22 Heating water pump
- 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 24 ETR-switch 2 °C (36 °F)
- 25 Pressure switch refrigerant compressor ON 2.6 bar gauge pressure (2.6 atu) OFF 2.0 bar gauge pressure (2.0 atu)
- 26 Switchover valve for constant speed (engine 110.984 only)
- 27 Electromagnetic clutch for refrigerant compressor
- 28 Switchover valve for vacuum element of legroom flaps
- 29 Switchover valve for vacuum element of fresh air-recirculated air flap
- 30 Switchover valve "BI-LEVEL" (at "DEF")
- 31 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
- 32 Diode
 - a Cable connector starter terminal 50
 - b Starter lockout and back-up lamp switch
 - c Ignition starter switch terminal 50
 - d Via relay ignition switchover terminal 85 } engine
 - e Via relay decoupling terminal 30 } 110.984 only
 - f Via relay ignition switchover terminal 87a } (countries with
 - g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 13

Blower control, stage 3 "LO" (regulating valve in position 3)

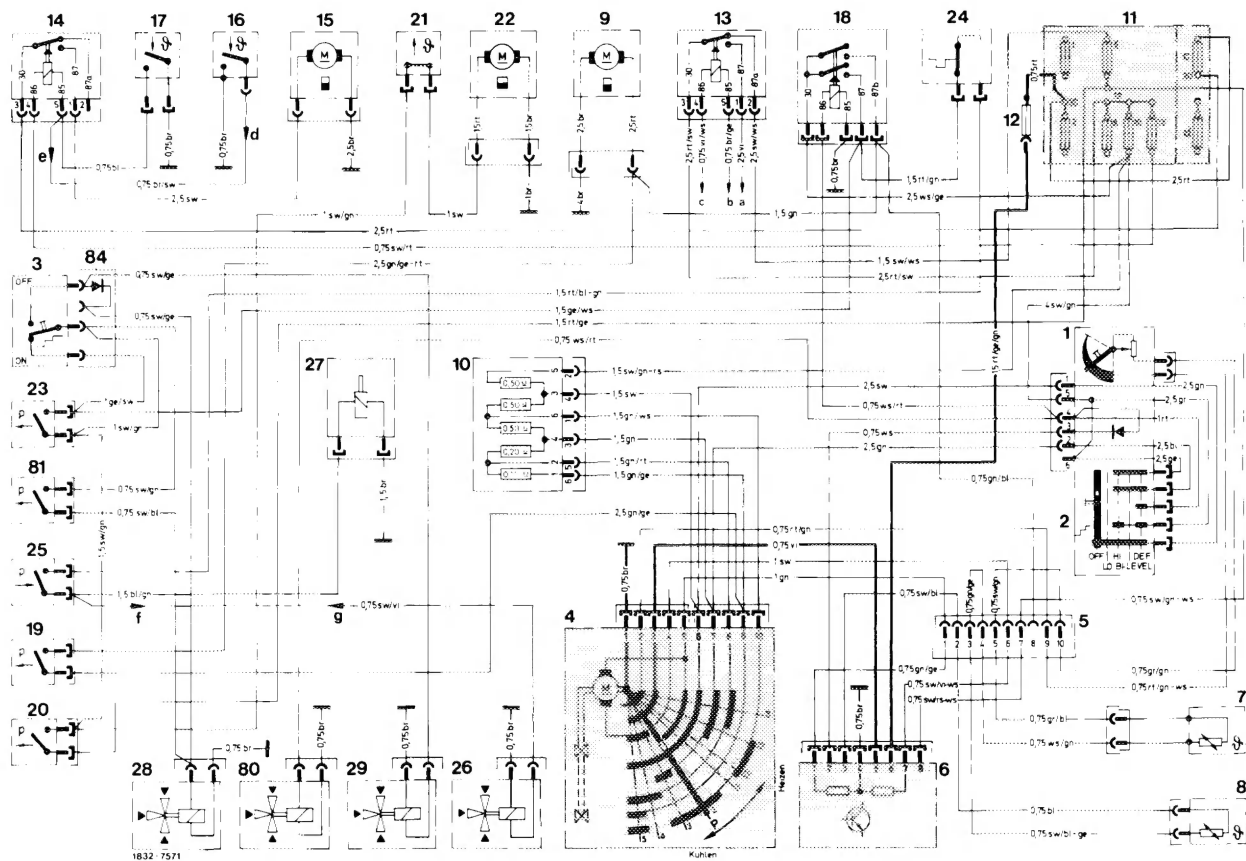
- | | |
|---|--|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22)
16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 3 "ON/OFF" switch refrigerant compressor | 22 Heating water pump |
| 4 Regulating valve | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester | 24 ETR-switch 2 °C (36 °F) |
| 6 Amplifier | 25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atu)
OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor | 26 Switchover valve for constant speed (engine 110.984 only) |
| 8 Ambient temperature sensor | 27 Electromagnetic clutch for refrigerant compressor |
| 9 Blower | 28 Switchover valve for vacuum element of legroom flaps |
| 10 Pre-resistance for blower | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| 11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF") |
| 12 Additional fuse for amplifier (2 amps) | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 13 Relay air conditioning system | 84 Diode |
| 14 Relay auxiliary fan | a Cable connector starter terminal 50 |
| 15 Auxiliary fan | b Starter lockout and back-up lamp switch |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | c Ignition starter switch terminal 50 |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | d Via relay ignition switchover terminal 85 } engine |
| 18 Double contact relay | e Via relay decoupling terminal 30 } 110.984 only |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | f Via relay ignition switchover terminal 87a } (countries with |
| | g Via relay ignition switchover terminal 30 } emission control) |



Wiring diagram 14

Blower control, stage 1 "HI" and "BI-LEVEL", (regulating valve in position 3 "heating" to position 3 "cooling")

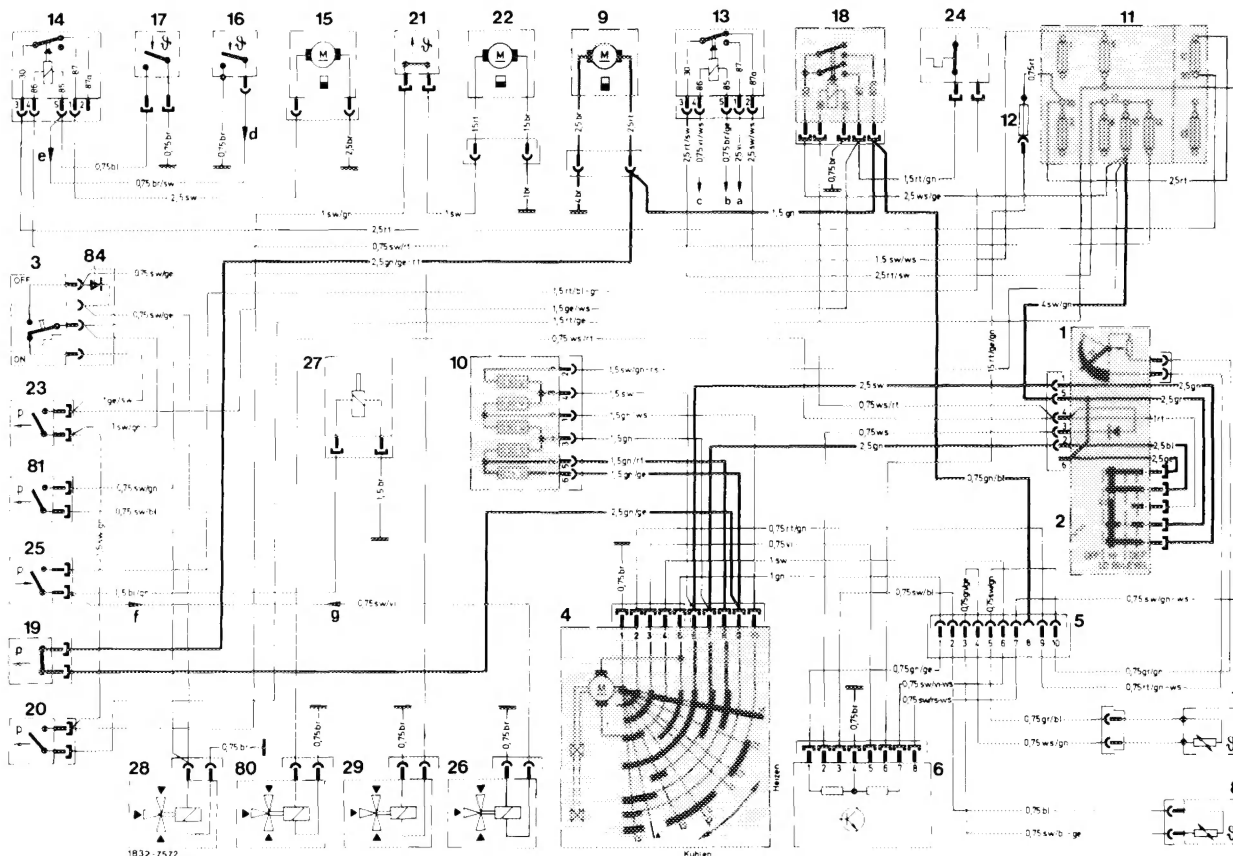
- | | |
|---|---|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22)
16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 3 "ON/OFF" switch refrigerant compressor | 22 Heating water pump |
| 4 Regulating valve | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester | 24 ETR-switch 2 °C (36 °F) |
| 6 Amplifier | 25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atu)
OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor | 26 Switchover valve for constant speed (engine 110.984 only) |
| 8 Ambient temperature sensor | 27 Electromagnetic clutch for refrigerant compressor |
| 9 Blower | 28 Switchover valve for vacuum element of legroom flaps |
| 10 Pre-resistance for blower | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| 11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF") |
| 12 Additional fuse for amplifier (2 amps) | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 13 Relay air conditioning system | 84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85
e Via relay decoupling terminal 30
f Via relay ignition switchover terminal 87a
g Via relay ignition switchover terminal 30 |
| 14 Relay auxiliary fan | |
| 15 Auxiliary fan | |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | |
| 18 Double contact relay | |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | |



Wiring diagram 15

Regulating valve control (ignition off, regulating valve in position "P 2")

- | | |
|---|--|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22)
16 °C (61 °F) ON, 26 °C (79 °F) OFF |
| 3 "ON/OFF" switch refrigerant compressor | 22 Heating water pump |
| 4 Regulating valve | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester | 24 ETR-switch 2 °C (36 °F) |
| 6 Amplifier | 25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atu)
OFF 2.0 bar gauge pressure (2.0 atu) |
| 7 In-car temperature sensor | 26 Switchover valve for constant speed (engine 110.984 only) |
| 8 Ambient temperature sensor | 27 Electromagnetic clutch for refrigerant compressor |
| 9 Blower | 28 Switchover valve for vacuum element of legroom flaps |
| 10 Pre-resistance for blower | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| 11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF") |
| 12 Additional fuse for amplifier (2 amps) | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 13 Relay air conditioning system | 84 Diode |
| 14 Relay auxiliary fan | a Cable connector starter terminal 50 |
| 15 Auxiliary fan | b Starter lockout and back-up lamp switch |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | c Ignition starter switch terminal 50 |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | d Via relay ignition switchover terminal 85 } engine |
| 18 Double contact relay | e Via relay decoupling terminal 30 } 110.984 only |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | f Via relay ignition switchover terminal 87a } (countries with |
| | g Via relay ignition switchover terminal 30 } emission control) |



Wiring diagram 16

Blower control, stage 2 "HI" (regulating valve in position 4)

- | | |
|---|---|
| 1 Temperature dial | 20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu) |
| 2 Pushbutton switch | 21 Temperature switch for heating water pump (22) |
| 3 "ON/OFF" switch refrigerant compressor | 22 Heating water pump |
| 4 Regulating valve | 23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| 5 10-point plug connection for tester | 24 ETR-switch 2 °C (36 °F) |
| 6 Amplifier | 25 Pressure switch refrigerant compressor |
| 7 In-car temperature sensor | ON 2.6 bar gauge pressure (2.6 atu) |
| 8 Ambient temperature sensor | OFF 2.0 bar gauge pressure (2.0 atu) |
| 9 Blower | 26 Switchover valve for constant speed (engine 110.984 only) |
| 10 Pre-resistance for blower | 27 Electromagnetic clutch for refrigerant compressor |
| 11 Main fuse box | 28 Switchover valve for vacuum element of legroom flaps |
| Fuse 5 : 8 amps (standard fuse 86) | 29 Switchover valve for vacuum element of fresh air-recirculated air flap |
| Fuse 10 : 16 amps | 80 Switchover valve "BI-LEVEL" (at "DEF") |
| Fuse 12 : 8 amps | 81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only) |
| Fuse c : 16 amps | 84 Diode |
| 12 Additional fuse for amplifier (2 amps) | a Cable connector starter terminal 50 |
| 13 Relay air conditioning system | b Starter lockout and back-up lamp switch |
| 14 Relay auxiliary fan | c Ignition starter switch terminal 50 |
| 15 Auxiliary fan | d Via relay ignition switchover terminal 85 |
| 16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan | e Via relay decoupling terminal 30 |
| 17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan | f Via relay ignition switchover terminal 87a |
| 18 Double contact relay | g Via relay ignition switchover terminal 30 |
| 19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu) | |